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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David Stern and Shi Du Yan
Serial No. : 09/394,204
Filed : September 10, 1999
For : INTRACELLULAR AMYLOID-BETA PEPTIDE BINDING
(ERAB) POLYPEPTIDE

1185 Avenue of the Americas
New York, New York 10036
June 14, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following documents, which are listed on Form PTO-1449 (**Exhibit 1**). Copies of the documents listed below as items 1-17 were submitted previously to the U.S. Patent and Trademark Office in connection with parent application, U.S. Serial No. 08/815,225 on March 12, 1997 as Exhibits 2-18 annexed to an Information Disclosure Statement. Thus, pursuant to 37 C.F.R. § 1.96(d), since the subject application claims the benefit of U.S. Serial No. 08/815,225 under 35 U.S.C. § 120, copies of the below listed documents are not required to be provided herewith.

1. Borchelt, D. R. et al. (1996) "Familial Alzheimer's Disease-Linked Presenilin 1 Variants Elevate A β 1-42/1-40 Ratio In Vitro and In Vivo." *Neuron*, 17: 1005-1013 (Exhibit 2);
2. Burke, J. R. et al. (1996) "Huntingtin and DRPLA Proteins Selectively Interact with the Enzyme GAPDH." *Nature*

Vitro and In Vivo." Neuron, 17: 1005-1013 (Exhibit 2);

2. Burke, J. R. et al. (1996) "Huntingtin and DRPLA Proteins Selectively Interact with the Enzyme GAPDH." Nature Medicine, 2(3): 347-350 (Exhibit 3);
3. Cai, X-D. et al. (1993) "Release of Excess Amyloid b Protein from a Mutant Amyloid b Protein Precursor." Science, 259: 514-516 (Exhibit 4);
4. Citron, M. et al. (1997) "Mutant Presenilins of Alzheimer's Disease Increase Production of 42-Residue Amyloid b-Protein in both Transfected Cells and Transgenic Mice." Nature Medicine, 3(1): 67-72 (Exhibit 5);
5. Kuo, Y-M. et al. (1996) "Water-soluble Ab (N-40, N-42) Oligomers in Normal and Alzheimer Disease Brains." J. Biol. Chem., 271(8): 4077-4081 (Exhibit 6);
6. Kuwabara, K. et al. (1996) "Purification and Characterization of a Novel Stress Protein, the 150-kDa Oxygen-regulated Protein (ORP 150), from Cultured Rat Astrocytes and Its Expression in Ischemic Mouse Brain." J. Biol. Chem., 271(9): 5025-5032 (Exhibit 7);
7. Paresce, D. M. et al. (1996) "Microglial Cells Internalize Aggregates of the Alzheimer's Disease Amyloid b-Protein Via a Scavenger Receptor." Neuron, 17: 553-565 (Exhibit 8);
8. Roher, A. E. et al. (1996) "Morphology and Toxicity of Ab-(1-42) Dimer Derived from Neuritic and Vascular Amyloid Deposits of Alzheimer's Disease." J. Biol. Chem., 271(34): 20631-20635 (Exhibit 9);

9. Scheuner, D. et al. (1996) "Secreted Amyloid b-Protein Similar to that in the Senile Plaques of Alzheimer's Disease is Increased in vivo by the Presenilin 1 and 2 and APP Mutations Linked to Familial Alzheimer's Disease." *Nature Medicine*, 2(8): 864-870 (Exhibit 10);
10. Turner, F. S. et al. (1997) "Amyloids b40 and b 42 Are Generated Intracellularly in Cultured Human Neurons and Their Secretion Increases with Maturation." *J. Biol. Chem.*, 271(15): 8966-8970 (Exhibit 11);
11. Wild-Bode, C. et al. (1997) "Intracellular Generation and Accumulation of Amyloid b-Peptide Terminating at Amino Acid 42." *J. Biol. Chem.*, 268(26): 16085-16088 (Exhibit 12);
12. Wolozin, W. et al. (1996) "Participation of Presenilin 2 in Apoptosis: Enhanced Basal Activity Conferred by an Alzheimer Mutation." *Science*, 274: 1710-1713 (Exhibit 13);
13. Xia, W. et al. (1997) "Enhanced Production and Oligomerization of the 42-Residue Amyloid b-Protein by Chinese Hamster Ovary Cells Stably Expressing Mutant Presenilins." *J. Biol. Chem.*, 272(12): 7977-7982 (Exhibit 14);
14. Yan, S. D. et al. (1994) "Glycated Tau Protein in Alzheimer Disease: A Mechanism for Induction of Oxidant Stress." *Proc. Natl. Acad. Sci. USA*, 91: 7787-7791 (Exhibit 15);
15. Yan, S. D. et al. (1995) "Non-enzymatically Glycated Tau in Alzheimer's Disease Induces Neuronal Oxidant Stress Resulting in Cytokine Gene Expression and Release of Amyloid b-Peptide." *Nature Medicine*, 1(7): 693-699 (Exhibit 16);

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16. Yan, S. D. et al. (1996) "RAGE and Amyloid-b Peptide Neurotoxicity in Alzheimer's Disease." Nature, 382: 685-691 (Exhibit 17);
17. Yankner, B. A. et al. (1990) "Neurotrophic and Neurotoxic Effects of Amyloid b-Protein: Reversal by Tachykinin Neuropeptides." Science, 250: 279-282 (Exhibit 18);

Applicants maintain that none of those above-listed documents that would be citable as a reference against the subject application disclose or suggest the invention now being claimed.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone at the number provided below.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. If any such fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,

Jane M. Love

I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:
Assistant Commissioner for Patents
Washington, D.C. 20231.

Jane M. Love 6/14/00

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Jane M. Love
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INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)Applicant
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RCN	Borchelt, L. R. et al. (1996) "Familial Alzheimer's Disease-Linked Presenilin 1 Variants Elevate Ab1-42/1-40 Ratio In Vitro and In Vivo." <u>Neuron</u> , 17: 1005-1013;
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EXAMINER

P. J. Hoyer

DATE CONSIDERED

3/23/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
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US/JPW/JML/HASerial No.
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21	Turner, R. S. et al. (1997) "Amyloids b40 and b 42 Are Generated Intracellularly in Cultured Human Neurons and Their Secretion Increases with Maturation." <u>J. Biol. Chem.</u> , 271(15): 8966-8970;
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	Wolozin, W. et al. (1996) "Participation of Presenilin 2 in Apoptosis: Enhanced Basal Activity Conferred by an Alzheimer Mutation." <u>Science</u> , 274: 1710-1713;
	Xia, W. et al. (1997) "Enhanced Production and Oligomerization of the 42-Residue Amyloid b-Protein by Chinese Hamster Ovary Cells Stably Expressing Mutant Presenilins." <u>J. Biol. Chem.</u> , 272(12): 7977-7982;
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